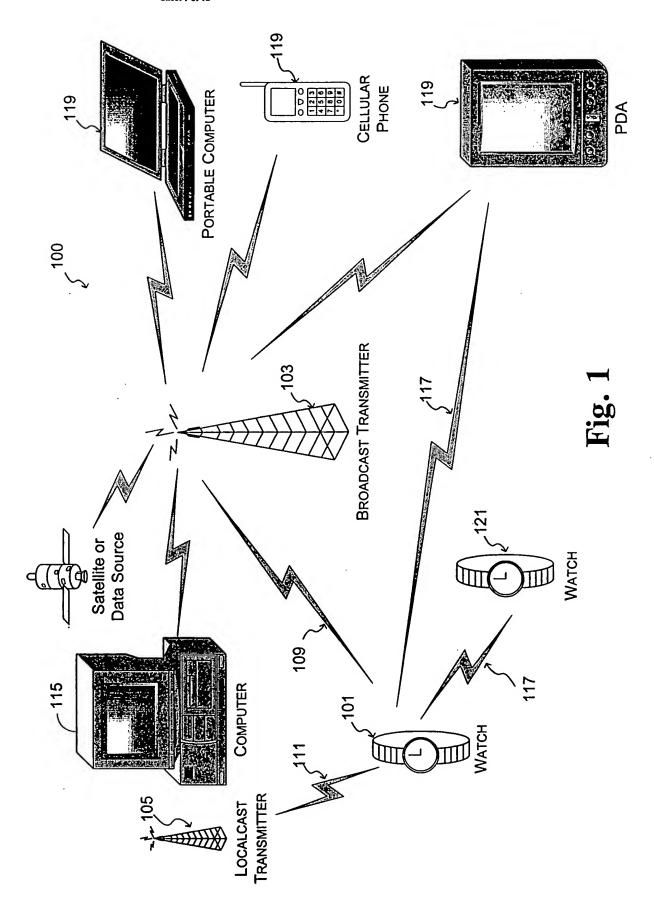
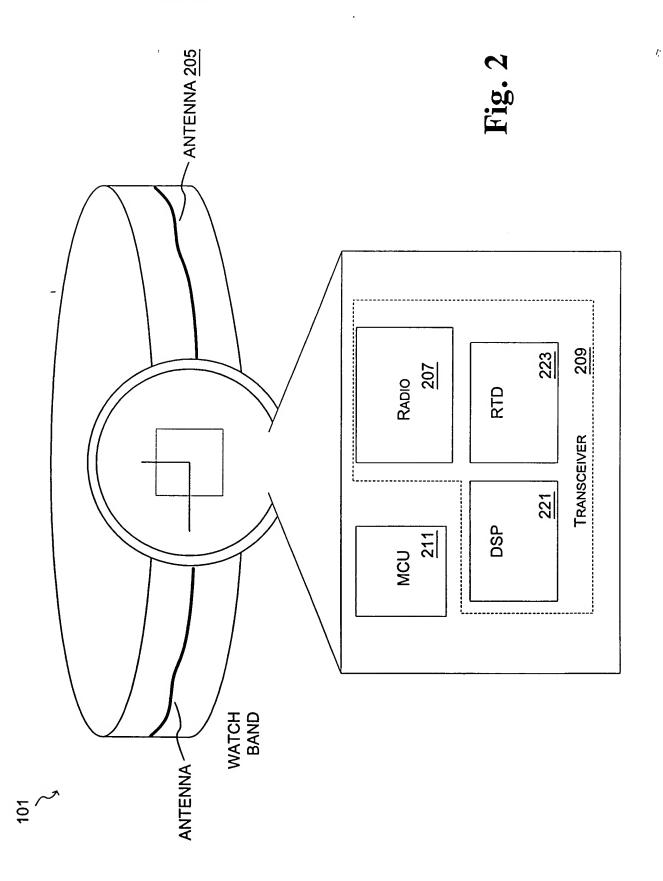
Inventor: Karr, et al.
Docket No · *0037.65USU1/177809.2
Title: SY : AND APPARATUS FOR PERFORMING BROADCAST ANI
COMMUN...\TIONS
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:ALCAST



CALCAST



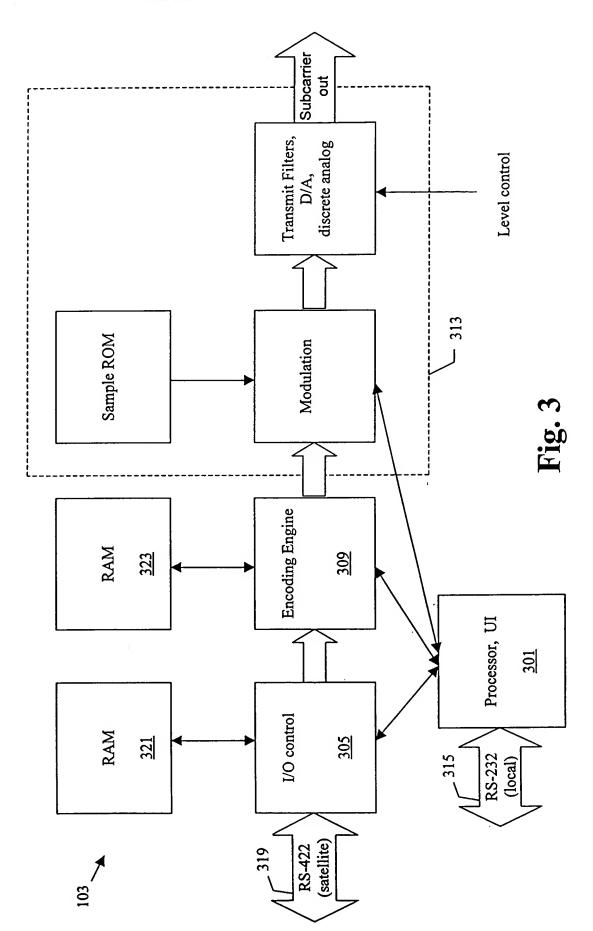
Inventor: Karr, et al.

Docket No. 737.65USU1/177809.2

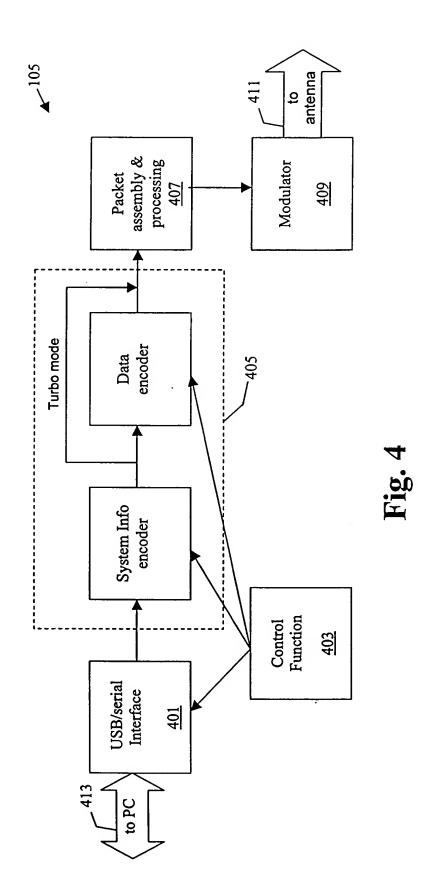
Title: SYS AND APPARATUS FOR PERFORMING BROADCAST AND

ALCAST

COMMUNICATIONS Sheet 3 of 12



Inventor: Karr, et al.
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Title: SYSTEN DAPPARATUS FOR PERFORMING BROADCAST AND LOCOMMUNICATIONS
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Frame N -501Sub-frame 0: Sub-frame 1: Sub-frame 2: Sub-frame 3: Segment 0-3 for Segment 4-7 for Segment 8-11 for Segment 12-15 for Packets 0-1023 Packets 0-1023 Packets 0-1023 Packets 0-1023 All segments for Fast All segments for Fast All segments for Fast All segments for Fast packets 1024-1087 packets 1088-1151 packets 1152-1215 packets 1216-1279 Segment 4 Seg 0 Segment 4 Seg 1 Segment 4 Seg 2 Segment 4 Seg 3 For Packets Fast For Packets Fast For Packets Fast For Packets Fast 0-255 256-511 512-767 Pkts Pkts Pkts 768-1023 Pkts 1088-1088-1088-1088-1151 1151 1151 1151 Segment 5 Seg 4 Segment 5 Seg 5 Segment 5 Seg 6 Segment 5 Seg 7 For Packets Fast For Packets Fast For Packets Fast For Packets Fast Pkts 0-255 Pkts 256-511 Pkts 512-767 Pkts 768-1023 1088-1088-1088-1088-1151 1151 1151 1151 Segment 6 Seg 8 Segment 6 Seg 9 Segment 6 Segment 6 Seg Seg 10 11 For Packets For Packets Fast For Packets Fast For Packets 0-255 Pkts 256-511 512-767 768-1023 Pkts Fast Fast 1088-1088-Pkts Pkts 1151 1151 1088-1088-1151 1151 Segment 7 Seg Segment 7 Seg Segment 7 Seg Segment 7 Seg 12 13 15 14 For Packets For Packets For Packets For Packets 0-255 256-511 **Fast** 512-767 Fast 768-1023 Fast Pkts Pkts Pkts 1088-1088-1088-1151 1151 1151

Fig. 5

 t^{i}

MODIFIED HDLC FRAME FORMAT

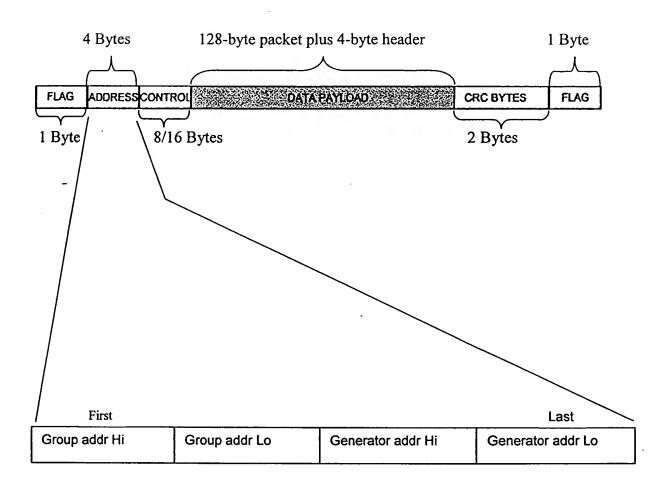


Fig. 6

Inventor: Kart, et al.

Docket No. 37.65USUI/177809.2

Title: SYS. AND APPARATUS FOR PERFORMING BROADCAST AND COMMUNICATIONS

LCAST

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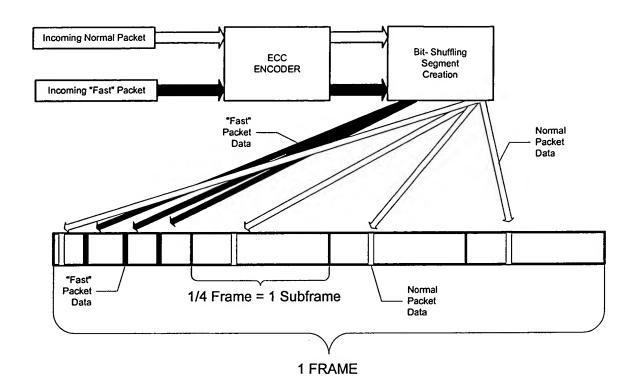


Fig. 7

Inventor: Karr, et al.

Docket No.: com/o37.65USU1/177809.2

Title: SYS AND APPARATUS FOR PERFORMING BROADCAST AND .LCAST COMMUNIC...IONS

Fixed synchronization pattern (6 bits unencoded)

Shift Segment Segment data (1/8 of data bits from a packet, interleaved according to preset pattern).

Segment data (1/8 of data bits from a packet, interleaved according to preset pattern).

(64 bits encoded)

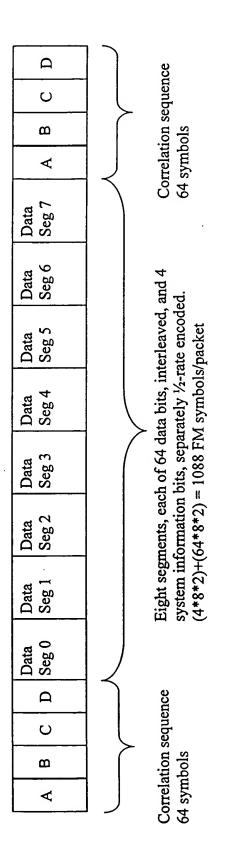
3 symbols

1 symbol

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64 symbols

Fig. 8



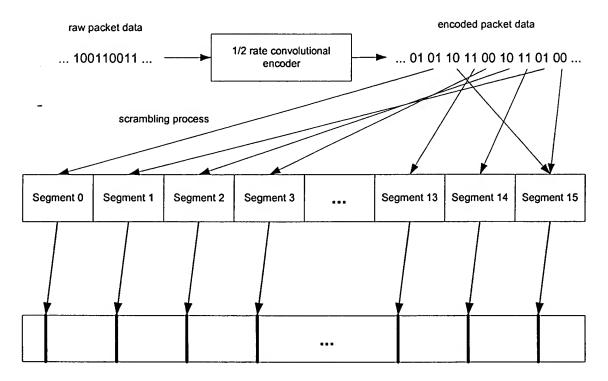
t ID Channel ID Spare	Channel ID		15 16	23 24	31	
		Packet ID		Channel ID	Spare	

31	Receiver ID
19 20	
8	Sender ID
7 8	9 .
4	Packet sequence number
3	0
0	Packet Type = p2p turbo

Inventor: Karr, et al.
Docker : 50037.65USU1/177809.2
Title: EM AND APPARATUS FOR PERFORMING BROADCAST / OCALCAST COMMUNICATIONS

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segment placement in output frame

Fig. 10

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Docket No.: *937.65USU1/177809.2
Tide: SYS AND APPARATUS FOR PERFORMING BROADCAST AND COMMUNIC... (FIONS Sheet 11 of 12

NLCAST

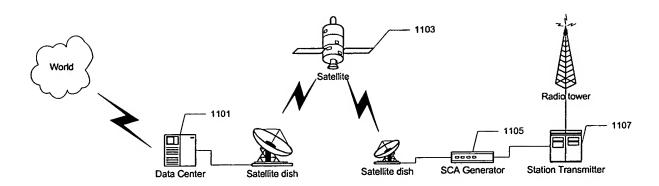


Fig. 11

Docket No.: 50037.65USUI/177809.2
Tide: '"STEM AND APPARATUS FOR PERFORMING BROADCAST A" LOCALCAST COM. ICATIONS

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